

# 303

LARIN, V.B. 1970

Constitution  
of a new state  
in the new state  
15-Apr 1970

LARIN, V.B. (Kiyev)

Natural vibration conditions in an elastic controlled space.  
Prikl.mekh. 8 no.5:482-488 '62.

1. Institut mekhaniki AN UkrSSR.

(Machinery--Vibration)

LARIN, V.B.

Choice of the free stroke of a damper in the case of  
stochastic vibrations. Dokl. AN USSR no. 11:1145-1147, 1971.

1. Institut matematiki AN USSR.

L 32707-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(x)/EWP(h)/EWP(l) 10000  
 ACC NR: AP6011333 SOURCE CODE: UR/0198/66/002/001/0099/0105

AUTHOR: Larin, V. B. (Kiev)

ORG: Mathematics Institute, AN UkrSSR (Institut matematiki AN UkrSSR)

TITLE: Analytical design of a vibration isolation system for equipment mounted on moving objects

SOURCE: Prikladnaya mekhanika, v. 2, no. 3, 1966, 99-105

TOPIC TAGS: vibration isolation, vibration spectrum, vibration theory

ABSTRACT: The vibration isolation problem is formulated as a problem in the theory of filters. After devising a penalty function in terms of the transfer function of the vibration isolator and minimizing this function, an equation is derived for the transfer function of the optimum physically realizable vibration damping system. The case of vibration damping of equipment excited by a narrow band vibration spectrum and by a white noise spectrum is considered in detail. For the latter case optimum values for a spring-dashpot combination are derived, while for the former it is shown that the optimum damping system cannot be realized with only passive elements. Orig. art. has: 3 figures and 17 formulas.

SUB CODE: 20, 13/ SUBM DATE: 16Jun65/ ORIG REF: 002

Cord 1/1 BLG

L 00751-67 ENT(m)/EW(w) IJP(c) WW/EM

ACC NR: AP602/196

SOURCE CODE: UR/0424/66/000/002/0186/0189

AUTHOR: Larin, V. B. (Kiev)

ORG: none

TITLE: Shock absorbing instruments on moving objects

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 186-189

TOPIC TAGS: vibration damping, shock absorber, vibration spectrum

ABSTRACT: Two simple examples are given to illustrate the need for optimizing between two competing requirements to damp out vibrations. These consist of maximizing the stiffness of the shock absorbing system and maximizing the vibration isolation of the system. It is shown first that the shock absorption system is not characterized by the static stiffness of the vibrating system but, instead, by the dynamic stiffness of the system. To this end, a shock absorbing system is synthesized for a given vibration spectrum  $S(\omega)$ , by maximizing the dynamic stiffness of the system. The method of Wiener-Kolmogorov is used to obtain the following transfer function to minimize the inverse of the dynamic stiffness

$$\Phi(\omega) = \frac{1}{D(\omega)} \left[ \frac{U(\omega) \bar{U}(-\omega)}{D(-\omega)} \right], \quad Z(\omega) = \frac{m\omega^2}{1 - \Phi(\omega)}.$$

An example is given for isolating white noise by the above technique. Orig. art. has: 2 figures.

Cord 1/14 SUB CODE: 20/ SUBM DATE: 12 Jun 67/ ORIG REF: 003/ OTH REF: 003

L 04945-67 ENT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP5025408

SOURCE CODE: UR/0103/66/000/007/0039/0044

AUTHOR: Larin, V. B. (Kiev)

ORG: none

TITLE: A problem of analytical design of optimal control

SOURCE: Avtomatika i telemekhanika, no. 7, 1966, 39-44

TOPIC TAGS: optimal automatic control, automatic control design, linear differential equation

ABSTRACT: A. G. Zaytsev (Avtomatika i telemekhanika, V. XXIV, No 4, 1963) investigated the analytical design of optimum control for the cases of random and deterministic perturbations. The controlled plant is defined by a linear differential equation with constant coefficients, and the perturbation is the sum of a regular time function and a random stationary function with a zero mathematical expectation. The Zaytsev solution is, however, generally incorrect and consequently, the present author solves the same problem again following the methods of the theory of filters. It is assumed that in all necessary cases the functions under

Cord 1/2

UDC: 62-505

L 04945-67

ACC NR: AP6025408

investigation have a Fourier transform and satisfy the Pally-Wiener condition. The problem is solved by a reduction to the Wiener-Kolmogorov problem. Orig. art. has: 27 formulas and 1 figure.

SUB CODE: 09,12/ SUBM DATE: 08Jul65/ ORIG REF: 094/ OTH REF: 001

Card 2/2 *del*



LARIN, V.D., red.; BOROVIKOVA, R.P., red.

[Papers from a session of the Division of Tillage, Land Improvement, and Crop Culture of the White Russian Academy of Agriculture, devoted to the 40th anniversary of the Great October Socialist Revolution (Mogilev, 1957)] Sbornik trudov sessii Otdeleniia zemledeliia, melioratsii i rastenievodstva Akademii sel'skokhoziaistvennykh nauk BSSR, posviashchennoi 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii, g.Mogilev, 1957 g. Minsk, Redaktsionno-izdatel'skii otдел ASKhN BSSR, 1958. 231 p. (MIRA 13:8)

1. Gorki. (Mogilevskaya oblast') Belorusskaya akademiya sel'skogo khozyaystva.

(White Russia--Agriculture)

VIL'DFLUSH, R.T., doktor sel'khoz. nauk; HRAGIN, A.M., kand. sel'-  
khoz. nauk; GORBYLEVA, A.I., kand. sel'khoz. nauk;  
KOROBOVA, G.Ya., kand. sel'khoz. nauk; LARIN, V.D., red.

[Concise manual on mineral fertilizers] Kratkii spravoch-  
nik po mineral'nyim udobreniam. Minsk, Urozhai, 1964. 237 p.  
(MIRA 18:10)

MATSEPURO, Mikhail Yefremovich, akademik, red.; LARIN, V.D., red.;  
ZUIKOVA, V.I., tekhn. red.

[Transactions of the 1958 Scientific Conference] Trudy Nauch-  
noi konferentsii 1958 goda. Pod red. M.E.Matsepuro. Minsk,  
Izd-vo Akad. sol'khoz. nauk BSSR, 1959. 199 p. (MIRA 14:5)

1. Akademiya sel'skhaspadarchykh nauk BSSR. Navukova  
dasledchy instytut mekhanizatsyi i elektryfikatsyi sel'skoi  
haspaderki. 2. AN BSSR i Akademiya sel'skokhozyaystvennykh  
nauk BSSR (for Matsepuro) (Farm mechanization) (Electricity in agriculture)

STRELKOV, Ignatyi Georgiyevich; NAGORSKAYA, Mariya Dmitriyevna; OSTIK VOY,  
Illarion Petrovich; LARIN, V.D., red.; TIMOSHCHUK, R.S., tekhn.  
red.

[Perennial lupine] Mnogoletnii liupin. Minsk, Gos. izd-vo sel'-  
khoz. lit-ry, BSSR, 1962. 47 p. (MIRA 15:11)  
(White Russia--Lupine)

STRELKOV, I.G., doktor sel'khoz. nauk, glav. red.; KOVALENKO, I.F.,  
kand. sel'khoz. nauk, red.; SVIRITSKIY, Ya.N., kand. sel'-  
khoz. nauk, red.; MIKHALEV, Ya.K., kand. sel'khoz. nauk,  
red.; MOSKALEV, A.I., kand. sel'khoz. nauk; LARIN, V.D.,  
red.; ZEN'KO, N.M., tekhn. red.

[Pulse crops] Zernobobovye kul'tury. Minsk, Gos.izd-vo  
sel'skokhoz. lit-ry BSSR, 1963. 246 p. (MIRA 17:1)

1. White Russia. Ministerstvo sel'skogo khozyaystva.  
(White Russia—Legumes)

LARIN, V.I.

11(0)

PHASE I BOOK EXPLOITATION

SOV/1265

Kamyshev, Sevast'yan Filippovich, Galikhin, Viktor Dmitriyevich, Larin  
Vasiliy Il'ich, Mikhaylov, Leonid Leonidovich, Filonova, Lidiya Ivanovna,  
Yasnits, Mikhail Grigor'yevich, and Kvochkin, Fedor Abramovich

Groznenskaya neftyanaya promyshlennost' (The Grozny Petroleum Industry) Moscow,  
Gostoptekhizdat, 1957. 57 p. 1,500 copies printed.

Executive Ed.: Lozbyakova, Ye. S.; Tech. Ed.: Polosina, A.S.

**PURPOSE:** The book is intended for engineers, technicians and workers in the  
petroleum industry.

**COVERAGE:** The status of the Grozny petroleum industry before the Revolution and  
the achievements in the recovery and refining of petroleum during the 40 years  
after the Revolution are discussed. New oil fields, petroleum installations  
and modern techniques and procedures introduced in the Grozny petroleum indus-  
try are described. No facilities are mentioned. No references are given.

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The Groznyy Petroleum ~~Industry~~

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Time of Its Nationalization up to the Time of the Implemen-  
tation of the Sixth Five Year Plan

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Groznyy petroleum industry during the first years after its  
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The first five-year plans

The Great Patriotic War and the period of reconstruction of the  
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The Groznyy Petroleum Industry

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AVAILABLE: Library of Congress

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LARIN, V.I.

New data on the geology of the steppes in the southern part  
of the Mangyshlak region. Nauch.dokl.vys.shkoly; geol.-geog.  
nauki no.2:105-108 '59. (MIRA 12:8)

1. Moskovskiy neftyanoy institut.  
(Mangyshlak region--Geology, Structural)

LARIN, V. I.

Larin, V. J. "On the problem of clinical manifestation of protrosuions of  
Spiegelline," Trudy Krymsk, med. in-ta im. Stalina, Vol. XII, 1948, p. 193-95

SO: U-3850, 16 June 53, (letiopis 'Zhurnal 'nykh Statey, No. 5, 1949)

LARIN, V. I.

Larin, V. I. "Rare case of calcification of surgical scars," Trudy Krymsk.  
me. in-ta im. Stalina, Vol. XII, 1948, p. 197-200

SO: U-3850, 16 Juen 53, (Letopsis 'Zhurnal 'nykh Statel, Nol 5, 1949)

LARIN, V. I.

Larin V.I. - "higher medical education in Crimea, " Trudy Krym'sk. med. inta in. Stalina, Vol. XII, 1948, p. 3-7, 358-59

SO: U-3850, 16 June 53, (Letopis '4hurnal 'Nykh Statey, No. 5, 1949).

LARIN, V. I.

24016

LARIN, V. I. Rasseleniye i tipy naselennykh punktov v zagorskom rayone. Uchen. zapiski (Mosk. Gos. Ped. IM-T im. Lenina), T. LIV, 1949, S. 159-77.

SO: Letopis, No. 32, 1949.

USPENSKAYA, N.Yu.; LARIN, V.I.

Trends in oil and gas prospecting in the southern Mangyshlak steppes. Kazved. i okh. nedr 26 no.12:5-7 D '60. (MIRA 13:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad.Gubkina.

(Mangyshlak Peninsula--Prospecting)



; KHATAMBEKOV, A.Yu.

Conditions governing the formation of oil and gas pools in  
fields of the Mubarek group (western Uzbekistan). Izv.vys.  
ucheb.zav.; neft' i gaz 5 no.4:9-13 '62. (MIRA 16:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlen-  
nosti imeni akademika I.M.Gubkina.  
(Uzbekistan--Petroleum geology)

LARIN, V.I.

Formation and distribution of oil and gas pools in the Purnara  
area of uplifts. Trudy MINKHAG no.43:155-160 '63. (MIRA 17:4)

1. Kompleksnaya geologicheskaya gazoneftyanaya ekspeditsiya  
Moskovskogo instituta neftekhimicheskoy i gazovoy promyshlennosti  
im. I.M.Gubkina.



LARIN, V.I.

Formation period of certain gas pools. Izv.vys.ucheb.zav.; neft'  
i gaz 7 no.4:14-16 '64. (MIRA 17:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
imeni akademika Gubkina.

LARIN, V.I.

Concerning the independence of the oil and gas accumulation processes in large stratigraphic complexes; based on a study of the Bukhara-Khiva and Fergana depression. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:7-9 '65. (MIRA 18:2)

1. Kompleksnaya neftegazovaya geologicheskaya ekspeditsiya Moskovskogo instituta neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M. Gubkina.

LARIN, V.I.

Determining the directional flow of formation waters in the past.  
Neftegaz.geol. i geofiz. no.8:31-33 '65.

(MIRA 18:8)

1. Kompleksnaya neftegazovaya geologicheskaya ekspeditsiya  
Moskovskogo ordena Trudovogo Krasnogo Znameni institut neftekhimi-  
cheskoy i gazovoy promyshlennosti im. akad. Gubkina.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

Jamin interferometer for lecture demonstrations. Izv.vys.uch.zav.;  
fiz. no.4:178-179 '62. (FIRA 15:9)

1. Sibirskiy fiziko-tekhnicheskoy institut pri Tomskom  
gosudarstvennom universitete imeni V.V. Kuybysheva.  
(Interferometer) (Physics—Study and teaching)

PERKAL'SKIS, B.Sh.; IARIN, V.L.

Anomalous dispersion and the hook method of D.S. Rozhdetsvenskii.  
-Izv. vys. ucheb. zav.; fiz. 8 no.3:171-173 '65. (MIRA 18:9)

1. Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

Zone plate adapted for phase shifts for physical demonstrations.

Izv.vys.ucheb.zav.; fiz. no.3:188-189 '63.

(MIRA 16:12)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

LARIN, V.L.

Nature of gas migration in the Gazli region. Neftegaz. geol.  
i geofiz. no. 12:11-13 '63. (MIRA 17:5)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut  
neftekhimicheskoy i gazovoy promyshlennosti imeni akademika  
I.M.Gubkina.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

A Fabry-Perot interferometer for demonstrations. Usp. fiz. nauk  
79 no.4:743-745 Ap '63. (MIRA 16:3)  
(Interferometer) (Physics--Study and teaching)

PERKAL'SKIS, B.Sh.; LARIN, V.L.

14 demonstrations involving microwaves. Usp. fiz. nauk  
1773-774 '61. (MIRA 17:1)



PERKAL'SKIS, B.Sh.; TARIN, V.L.

Home-made Michelson interferometer for educational purposes.  
Usp. fiz. nauk 83 no. 2:371-373 Je '64. (MIRA 17:6)

LARIN, V.M.

Characteristics of the temperature field of the Norwegian Sea.  
Trudy Len. gidromet. inst. no.17429-94 '64. (MIRA 18:6)

PODOL'SKIY, A.M.; NUMEROV, S.V.; GOLIKOV-ZAVOLZHENSKIY, I.V.; MINTS, M.V.;  
LARIN, V.N.

Tantalum in alaskites and subalkaline **granites** in the eastern part  
of central Kazakhstan. Geokhimiia no.5:574-581 My '65. (MIRA 18:9)

1. Tsentral'no-Kazakhstanskoye geologicheskoye upravleniye.

LARIN, V.N. (Dmitrov)

Working without the supervision of the Technical Control Division;  
working practices of the Dmitrov Clothing Factory. Shvein.  
prom. no. 6:7-8 N-D '60. (MIRA 14:1)  
(Dmitrov--Clothing industry--Quality control)

LARIN, V. N.

OVSYANNIKOV, V.N., inzhener (g. Ashkhabad); LARIN, V.N., inzhener  
(g. Ashkhabad).

High production utilisation of diesel locomotives. Zhel.dor.  
transp. 39 no.6:66-69 Je '57. (MLRA 10:7)

1. Nachal'nik Ashkhabadekoy dorogi (for Ovsyannikov).
2. Nachal'nik  
lokomotivnoy sluzhby dorogi (for Larin).  
(Diesel locomotives)

LARIN, V.N.

OVSYANNIKOV, V.N., inzh.; LARIN, V.N., inzh.; BELEN'KIY, A.D., inzh.; MAKHNO,  
Ye.B., inzh.; BOGDANOV, I.D., inzh. (Ashkhabad); MANKULOV, R.G., dots.  
(Tbilisi).

Textbook on diesel locomotives ("The diesel locomotive industry."  
G.S. Ryleev and others. Reviewed by V.N. Ovsyannikov and others).  
Zhel. dor. transp. 39 no.12:89-90 D '57. (MIRA 11:1)  
(Diesel locomotives) (Ryleev, G.S.)

LARIN, V.N.

Good maintenance of locomotives is the basis for their operational efficiency. Elek. i tepl. tiaga 7 no.6:14-15 Je '63. (MIRA 16:9)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Yugo-Vostochnoy dorogi.

(Diesel locomotives)

LARIN, V.P., inzh.

Economy of labor in machine milking. Zhivotnovodstvo 20 no.11:  
68-74 N '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii  
sel'skogo khozyaystva.  
(Milking machines)



LARIN, V.P.; FARAFONOVA, N.I.; TARANENKO, N.A., red.

[Machine milking of cows and the primary handling of milk; textbook for training expert machine milkers] Mashinnoe doenie korov i pervichnaia obrabotka moloka; uchebnoe posobie dlia podgotovki masterov mashinnogo doeniia. Moskva, Izd-vo MSKh RSFSR, 1963. 103 p. (MIRA 17:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva. 2. Nauchnyye rabotniki Vsesoyuznogo nauchno-issledovatel'skogo instituta elektrifikatsii sel'skogo khozyaystva (for Larin, Farafonova).

LARIN V.T.

GREBEN', I.I.; LARIN, V.T.; PERFILOV, M.A.; LIBOV, Ye.A.; VORONETSKAYA, I.V.,  
tekhnicheskii redaktor.

[The PES-50 mobile diesel electric power generator] Peredvizhnaya  
dizel'naya elektrostantsiya PES-50. Moskva, Goslesbumizdat, 1951.  
150 p. [Microfilm] (MLRA 7:11)  
(Dynamos) (Diesel engines)

TENDLER, Mikhail Markovich; LARIN, V.T., red.; MERZHANOVA, O.M., red.  
izd-va; KUZNETSOVA, A.I., tekhn.red.

[Control of log conveyors and their signal systems] Upravlenie  
transporterami dlia breven i signalizatsiia. Moskva, Gosles-  
bumizdat, 1960. 7 p. (MIRA 14:2)  
(Lumbering--Machinery) (Conveying machinery)

MOZHUL', V.G.; LARIN, V.T., red.; GORYUNOVA, L.K., red. izd-va;  
KOLESNIKOVA, A.P., tekhn. red.

[Safety measures in operating electrical equipment in lumber-  
ing]Elekt.obezopasnost' na lesozagotovkakh. na lesozagotkakh.  
Moskva, Goslesbumizdat. 1956. 64 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.)Ministerstvo lesnoy promyshlennosti.  
TSentral'noye byuro tekhnicheskoy informatsii.  
(Lumbering--Electric equipment)  
(Lumbering--Safety measures)

1 20098-85 EWT(4)/EWT(1)/KEC(b)-2/EWA(h) Pn-1/Pac-1/Pch/Pl-1/Pj-1 ESD/ESD/AFM/  
ASD(a)-5/RAEM(a)/ESD(c)/ESD(ga)/ESD(z)

ACCESSION NR: AP5000462

S/0109/64/009/012/2189/2191

AUTHOR: Vitel's, G. L.; Larin, Ye. A.

TITLE: Determining the frequency characteristics of voltage-tunable magnetron

SOURCE: Radiotekhnika i elektronika, v. 9, no. 12, 1964, 2189-2191

TOPIC TAGS: voltage tunable magnetron, magnetron, magnetron characteristic

ABSTRACT: An attempt is made to develop a formula for the frequency of an interdigital voltage-tunable magnetron in terms of its mode and geometry. The case of low anode currents and output power is considered, which permits (in the first approximation) using static-mode relations, neglecting the space charge. Only a cumbersome formula for the magnetron anode voltage is supplied. A frequency characteristic computed from this formula is reported to be in good agreement with the experimental data published by H. W. Welch (Proc. IRE, 1953, 41, 11, 1631). Orig. art. has: 1 figure and 13 formulas.

ASSOCIATION: none

SUBMITTED: 29Dec63

ENCL: 00

SUB CODE: EG

NC-REF SOV: 004

OTHER: 007

Card 1/1

|   |  |                       |
|---|--|-----------------------|
| <p>RELATION BETWEEN THE GASTRIC SECRETION AND THE BILE-SECRETING FUNCTION OF THE LIVER. 1. Changes of gastric secretion in total and partial loss of bile. H. P. Larin. <i>Izv. Akad. Nauk SSSR, Ser. Biol. Med. Sci.</i> 23, 193-4 (1947). 11. Bile-secreting function of the liver in some physiological and pathological states of the stomach. <i>Ibid.</i> 243-4 (1947) (in Russian). — The object of the study was to det. the effect of mech. irritation of the mucosa of the stomach by means of a glass or resin tube on the bile-secreting function, as well as thermal irritation by a 5-min. stomach washing at 5° and 60°. Three dogs with fistulas of the bile duct and stomach were tested. The 2 types of irritation have different effects. Thermal irritation causes a more pronounced change in bile-secreting function of the liver than mech. irritation. Mech. irritation and dilation of the stomach for 16 min. do not in themselves cause bile secretion but promote more rapid entrance of bile into the duodenum, decreasing the latent period. Thermal irritation (cold), on the contrary, has a depressing effect on bile secretion, increasing the latent period. A comparison of the changes in the percentage of solid residue and bile acid in secreted bile shows that short mech. irritation, dilation of the stomach and thermal (cold) irritation affect the qual. compn. of bile, although the change is not constant. A certain inverse relationship exists between the percentage of solids and the amt. of bile secreted. However, the amt. of bile acids varied without apparent reason with the same type of irritation applied to different dogs.</p> <p style="text-align: right;">W. R. Eichler</p> |  | <p>11F</p>            |
| <p>ASW-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>  |  | <p>RECHN. BOMAROV</p> |
| <p>EXPERIMENTAL</p>   |  | <p>EXPERIMENTAL</p>   |
| <p>EXPERIMENTAL</p>   |  | <p>EXPERIMENTAL</p>   |

LARIN, Ye. F.

37557. Novyy Metod I Dannya V Izuchenii Motorikizhelchelyvodyashchego Apparata Pecheni. Trudy Tomskogo Med. In-ta im. Molotova, T XV, 1949, s. 47-62.

So: Letopis' Zhurnal'nykh Statey, Vol. 37, 149

LARIN, Ye.F.

Conditioned reflex characteristics of certain symptoms of pregnancy  
in dogs. Trudy Vses.ob-va fiziol.biokhim. 1 farm. 2:25-27 '54.

(MIRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta  
im. V.M.Molotova.

(PREGNANCY,

conditioned reflex nature of signs of pregn. in dogs)

(REFLEX, CONDITIONED,

conditioned nature of signs of pregn. in dogs)



LARIN, Ye.F.

Role of preliminary stimulation in biliary reactions. Trudy Vses.  
ob-va fiziol.biokhim.i farm. 2:123-126 '54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta  
im. V.M.Molotova.

(BILIARY TRACT, physiology,  
motor funct., eff. of stimulation)

LARIN, Ye.F.

Motor function of the biliary track in various physiological and pathological conditions of the stomach. Trudy Vses.ob-va fiziol. biokhim.i farm. 2:126-128 '54. (MIRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta im. V.M.Molotova.

(BILIARY TRACT, physiology,  
motor funct. in physiol. & pathol. cond.)

LARIN, Ye. I.

Data for the study of the biliary tract. Trudy Vses.ob-va fiziol.  
biokhim.i farm. 2:128-130 '54. (MLRA 8:7)

2. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta  
im. V.M.Mulotova.

(BILIARY TRACT, physiology,  
motor funct.)

VERESHCHAGIN, N.K., LARIN, Ye.F.

Conference of the West Siberian Association of Physiologists,  
Biochemists and Pharmacologists. Fiziol.zhur. 44 no.6:603-605  
Je '58 (MIRA 11:7)  
(PHYSIOLOGY)

6  
LEYENISKIY, A.I., KAZACHKOVSKIY, O.D., PIYKHASIK, M.S., ARISTARKHOV, N.N.,  
KARPOV, A.V., LARIN, YE.P., YEFIMOV, I.A.

Operating experience with the BR-5 reactor.

Report submitted for the Conference on Operating experience with power  
reactors, Vienna, 4-8 June 63

LARIN, Ye.V.

Qualitative evaluation of soils as exemplified by Murgab Oasis.  
Izv. AN Turk. SSR. Ser. biol. nauk no.4:56-63 '61. (MIRA 14:10)

1. Institut pochvovedeniya i osvoyeniya peskov AN Tarkmenskoy SSR.  
(MURGAB OASIS--SOILS)

KORNEV, A. M.; KALININ, A. G.; LARIN, Ya. M.

Controlled inclined drilling of prospecting holes with small  
turbodrills. Razved. i okh. nedr 28 no.6:24-27 Je '62.  
(MIRA 15:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promysh-  
lennosti im. akad. Gubkina (for Kornev); 2. Tsentral'noye  
konstruktorskoye byuro Ministerstva geologii i okhrany nedr  
SSSR (for Larin).

(Turbodrills)

RIVLINA, Yu.L.; MALINSKIY, Yu.M.; YAKUBOVICH, S.V.; Prinimali uchastiye:  
LARINA, A.N.; YEVINZON, I.I.

Investigating the processes of aging of lacquer and paint  
coatings. Report No.1. Investigation of the aging process  
of alkyd and alkyd-melamine coatings. Lakokras. mat. 1 ikh  
prim. no.6:31-35 '61. (MIRA 15:3)

(Protective coatings)



KARYAKINA, M.I.; YAKUBOVICH, S.V.; BLAGONRAVOVA, A.A.; Prinimali  
uchastiye: LARINA, A.N.; PISKAREVA, K.A.; PERTSOVA, Ye.N.

New type of coatings based on phenol-alkyd resins. Lakokras.  
mat.i ikh prim. no.5:25-27 '62. (MIRA 16:1)  
(Phenol condensation products) (Protective coatings)

KORCHEMKIN, F. I.; Prinimala uchastiye: LARINA, A. V.

Effect of the degree of woodpulp grinding and of the various  
processes on the quality of the parchment. Trudy VNIIB no.47:  
86-94 '61. (MIRA 16:1)

(Parchment) (Woodpulp)

VLASOV, Yu.I.; LARINA, E.I.

Some patterns of the luminescence of plant tissues during viral lesions of the necrotic type. Nauch. dokl. vys. shkoly; biol. nauki no.3:166-170 '63. (MIRA 16:9)

1. Rekomendovana Vsesoyuznym nauchno-issledovatel'skim institutom zashchity rasteniy.  
(Bioluminescence) (Virus diseases of plants)

VLASOV, Yu.I., kand. biol. nauk, nauchn. sotr.; LARINA, E.I.,  
kand. biol. nauk, nauchn. sotr.; KRYLATOVA, S.A., red.

[Principal methods for the diagnosis of virus diseases  
of farm crops] Osnovnye metody diagnostiki virusnykh  
boleznei sel'skokhoziaistvennykh rastenii. Moskva, Sel'-  
khozizdat, 1963. 35 p. (MIRA 17:8)

1. Russia (1923- U.S.S.R.) Ministerstvo sel'skogo kho-  
zyaystva. Upravleniye nauki, propagandy i vnedreniya  
peredovogo opyta. 2. Vsesoyuznyy nauchno-issledovatel'-  
skiy institut zashchity rasteniy (for Vlasov, Larina).

PRIVEZENTSEV, V.A., doktor tekhn. nauk, prof.; LARINA, E.T., inzh.

Heat conductivity of winding wire insulation. Elektrotehnika  
36 no.4:63-64 Ap '65. (MIRA 18:5)

VIASOV, Yu.; SEMEN'YEVA, N.; LERMAN, F.

Virus infection of gramineous plants. Vestn. rast. zh. 32: 114.  
1 bot. 10 no. 8: 43-44 '65. (MIF 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity  
rasteniy.

L 10016-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) NJW/JD/GS

ACCESSION NR: AT4049812

S/0000/64/000/000/0052/0055

AUTHOR: Fertik, N. A.; Lebedeva, M. A.; Larina, G. B.; Lapsker, Yu. A. <sup>21</sup><sub>20</sub> 21

TITLE: The technology of soft nitriding and its effect on the fatigue strength of steel 10

SOURCE: Soveshchaniye po uprochneniyu detaley mashin, 1962. Protsessy uprochnen-  
iya detaley mashin (Processes of the hardening of machine parts); doklady sovesh-  
chaniya. Moscow, Izd-vo Nauka, 1964, 52-55

TOPIC TAGS: steel nitriding, steel cyaniding, steel fatigue strength, soft  
nitriding, steel wear resistance

ABSTRACT: The principal advantages of nitriding in comparison with carburizing  
and cyaniding are minimum deformation and warping of the parts. However, the dur-  
ation of this process, brittleness of the nitrided layer and insufficient service  
life of nitrided parts limit its application. During the last few years, publica-  
tions have appeared on soft nitriding which report improvement in the fatigue  
strength of steel parts. This method involves the use of melted cyanide salts at  
520-580C. Using this technique, tests were made to determine the absorption para-  
meters and the properties of the diffusion layer after soft nitriding. A VTs-22

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L 40016-65

ACCESSION NR: AT4049812

electric furnace with automatic temperature regulation was used. The furnace bath contained 50% NaCN, 18% NaCl and 32%  $\text{Na}_2\text{CO}_3$ , and the bath temperature was  $550 \pm 10^\circ\text{C}$ . A previous publication by A. N. Minkevich noted that the source of chemically active carbon and nitrogen is the dissociation of NaCNO. Therefore, the content of NaCNO and CN in the bath was checked. Low temperature cyaniding was then used to increase the fatigue strength of cylinder liners for air cooled engines made of 38KhMYuA steel. The non-nitrided surface of this steel shows unfavorable tensile stresses. All samples for the fatigue tests were taken from one nitrided liner. Three sets of samples were made: 1) steel cyanided at  $550 \pm 10^\circ\text{C}$  for 1.5 hours with a NaCNO content of 5.8%, 2) non-cyanided samples and 3) non-cyanided samples tempered in an alkaline bath at  $550 \pm 10^\circ\text{C}$  for 1.5 hours. The authors conclude on the basis of the results of fatigue tests ( $5 \times 10^6$  cycles) that low-temperature cyaniding (soft nitriding) increases the fatigue strength of steel. Thus, low-temperature cyaniding of notched samples of 38KhMYuA steel increased the fatigue strength by 48%. The minimum deformation of parts, lower brittleness, higher fatigue strength and short duration of the process are valid reasons for using low-temperature cyaniding instead of other methods. Do to the low

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ACCESSION NR: AT4089812

0  
brittleness of the diffusion layer, the high hardness of the cyanide layer and the high content of carbon and nitrogen, it may be assumed that low-temperature cyaniding also improves the wear resistance. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 21May64

ENCL: 00

SUB CODE: 14

NO REF SOV: 002

OTHER: 001

Card

LL  
3/3

5 (3)

AUTHORS:

Sheremeteva, T. V., Larina, G. N.

SOV/62-59-5-13/40

TITLE:

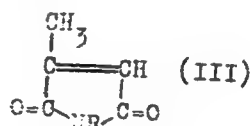
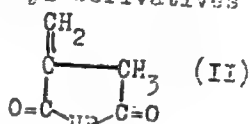
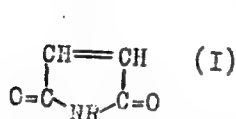
Synthesis of Some Unsaturated Compounds Containing Nitrogen  
( Sintez nekotorykh nepredel'nykh azotsoderzhashchikh  
soyedineniy). Communication 1. (Soobshcheniye 1.)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,  
1959, Nr 5, pp 843-848 (USSR)

ABSTRACT:

Unsaturated heterocyclic compounds containing nitrogen have recently gained practical importance as monomers of the zoocytium and as insecticides and fungicides. In connection with it, the authors synthesized the imides of maleic (I), itaconic (II), and citraconic (III) acid, investigated them and determined out their properties. Likewise, they investigated their aryl and alkyl derivatives



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Little is known in publications on the synthesis of unsubstituted imides of these acids. The data on the synthesis

Synthesis of Some Unsaturated Compounds Containing  
Nitrogen. Communication 1.

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mentioned which are known in publications are briefly summarized (Refs 1-14). The synthesis of the aryl-substituted imides (I) and (III) is much easier; it can be carried out in two ways: 1) by dry distillation of malic acid aniline and 2) by dehydrogenation of monophenylmonoamide which was obtained from malic anhydride and aniline. The synthesis of pure imides is rendered more difficult by the easy isomerization of this group of acids and their derivatives (maleic acid  $\rightleftharpoons$  fumaric acid etc), by the good solubility of the substances in water and many organic compounds, by the tendency to polymerization at high temperatures, and by their volatility. In this work, therefore, the synthesis was carried out at temperatures as low as possible and in a neutral medium. The synthesis was carried out in both ways mentioned. Alkyl imides of citraconic acid and citraconic anhydrides were obtained; the yield ranged from 37 to 50 % of the yield theoretically possible. Moreover, N-methyl-, N-ethyl-, N-isopropyl-, N-butyl-, N-isobutyl-, N-octyl-, and N-cyclohexylmonoamide of citraconic acid and the corresponding imides (except N-isobutyl-) not yet described

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Synthesis of Some Unsaturated Compounds Containing  
Nitrogen. Communication 1.

S07/62-59-5-13/40

in publications were synthesized. The characteristics of these compounds, the physical constants, mole refraction, molecular weight, and elementary composition are listed in tables 1 and 2. There are 1 table and 14 references.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR  
(Institute of High-molecular Compounds of the Academy of Sciences, USSR)

SUBMITTED: July 25, 1957

Card 3/3

SHEREMETEVA, T.V.; STOLYAROVA, T.Yu.; LARINA, G.N.

Preparation and properties of carboxyalkylene derivatives of  
citraconimide. Izv. AN SSSR. Otd.khim.nauk no.9:1680-1685 S '61.  
(MIRA 14:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Maleimide)

29737  
S/190/61/003/011/007/016  
B124/B101

15.8000 2209

AUTHORS: Larina, G. N., Borisova, Z. V., Sheremeteva, T. V.

TITLE: Copolymerization of N-methylcitraconimide with some vinyl compounds

PERIODICAL: Vysokomolekulyarnyye soedineniya, v. 3, no. 11, 1961, 1664-1668

TEXT: The radical bulk copolymerization constants of four binary monomer couples consisting of N-methylcitraconimide ( $M_1$ ), acrylonitrile,  $\beta$ -vinyl-naphthalene, styrene, and methylmethacrylate were determined by copolymerization in the presence of 0.3 % by weight of benzoyl peroxide in sealed ampoules (Table 1). The N-methylcitraconimide - acrylonitrile system was heated to 60°C and the other systems to 70°C up to a conversion of 5-25 %. The polymers were solved in chloroform and reprecipitated with methyl alcohol, filtered, and dried to constant weight. The nitrogen content of the polymers was determined according to Dumas and the composition of the copolymers calculated from the results (Table 5). The copolymerization constants were calculated from the integral equation of F. R. Mayo and F. M. Lewis (Ref. 12: J. Amer. Chem. Soc., 66, 1594, 1944),

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B124/B101

# Copolymerization of...

with the method suggested by S. N. Ushakov, S. P. Mitsengendler, and G. A. Shtraykhman (Ref. 13: Uspekhi khimii, 19, 265, 1950) being used for the experimental determination of the parameter  $p$  for the systems 1, 2, and 3. The mean value of  $p$  was determined for all systems by the analytical method of G. A. Shtraykhman, A. A. Vansheydt, and G. A. Petrova (Ref. 14: Zh. fiz. khimii, 32, 3, 1958).  $M_1$  forms azeotropic copolymers with all mentioned monomers except for methylmethacrylate; the composition of the azeotropic copolymers with acrylonitrile,  $\beta$ -vinyl naphthalene, and styrene is given in Table 2. The probable distribution of monomer units in the systems N-methylcitraconimide -  $\beta$ -vinyl naphthalene and N-methylcitraconimide - styrene calculated from equations developed by F. T. Wall (J. Amer. Chem. Soc., 66, 2050, 1944) and S. S. Medvedev (Ref. 10: Dokl. AN SSSR 56, 177, 1947) which show a tendency to alternation is given in Table 3. The reactivity of the radicals of the mentioned monomers to  $M_1$  decreases in the order: styrene  $\gg$   $\beta$ -vinyl naphthalene  $\gg$  acrylonitrile  $\gg$  methylmethacrylate. The specific activity  $Q$  and the factor  $e$  characterizing the polarity of double bonds for  $M_1$  were calculated from the copolymerization constants of  $M_1$  with styrene and methylmethacrylate by using the equations of T. Alfrey and C. C. Price (Ref. 15: J. Polymer Sci. 2, 101, 1947);

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Copolymerization of...

values of  $Q=0.8$  and  $e=1$  were obtained for  $M_1$ . There are 5 tables and 15 references: 6 Soviet and 9 non-Soviet. The three most recent references to English-language publications read as follows: L. E. Coleman, J. A. Conrady, J. Polymer Sci. 38, 241, 1959; J. Dawning, J. G. N. Drewitt, Brit. Pat. 712319, 1954; E. C. Chapin, G. E. Ham, C. L. Mills, J. Polymer Sci., 4, 597, 1949.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: December 23, 1960

Table 1. Copolymerization constants of N-methylcitraconimide with some vinyl compounds. Legend: (I) System no.; (II) monomer  $M_2$ ; (III) acrylonitrile; (IV)  $\beta$ -vinylnaphthalene; (V) styrene; (VI) methylmethacrylate.

Table 2. Composition of azeotropic copolymers. Legend: (I) System no.; (II) composition of the azeotropic copolymer,  $m_1/m_2$ ; (III) found; (IV) calculated.

Card 3/3



SHEREMETEVA, T.V.; LARINA, G.N.

Polymerization of imides of unsaturated dicarboxylic acids, Dokl. AN  
SSSR 162 no.6:1323-1325 Je '65. (MIRA 18:7)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Submitted  
December 12, 1964.

*LARINA, I.A.*

VYGODCHIKOV, G.V.; VOLKOVA, Z.M.; ZELEVINSKAYA, S.A.; LARINA, I.A.

Significance of antitoxic and antibacterial factors in active immunization against experimental *B. perfringens* gas gangrene. Zhur.mikrobiol.epid. i immun. 28 no.10:120-125 0 '57. (MIRA 10:12)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR. (GAS GANGRENE, exper. antitoxic & antibact. factors in active immun. (Rus))

LARINA, I.A.; VOLKOVA, Z.M.; ZELEVINSKAYA, S.A.

Effect of antibiotics in experimental gas gangrene. Zhur.  
mikrobiol.epid. i immun. no.1:119-124 Ja '58. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei  
AMN SSSR.

(ANTIBIOTICS, effects,

on gas gangrene pathogens (Rus)

(GAS GANGRENE, microbiology,

eff. of antibiotics on various pathogens (Rus)

LARINA, I.A.; VOLKOVA, Z.M.

Anatoxin from *Vibrio septicus* and its antigenic and immunogenic properties. Zhur.mikrobiol.epid. i immun. 29 no.3:77-82 Mr '58.  
(MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(CLOSTRIDIUM,  
septicum, anatoxin, antigenic & immunogenic properties (Rus)

MAYOROVA, I.P.; LARINA, I.A.

Acetone purification of *Vibrio septicus* anatoxin. Zhur.mikrobiol.  
epid. i imun. 30 no.1:51-54 Ja '58. (MIRA 12:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN  
SSSR.

(CHOLERA, immunol.

anatoxin, acetone purification (Rus))

(ACETONE,

purification of *Vibrio cholerae* anatoxin (Rus))

ISPOLATOVSKAYA, M.V.; LARINA, I.A.

Studying electrophoretic properties of phospholipase C of the  
B. perfringens toxin during detoxication. Biokhimiia 24  
no.4:738-744 J1-Ag '59. (MIRA 12:11)

1. Institut epidemiologii i mikrobiologii im. N.F.Gamaleya  
Akademii meditsinskikh nauk SSSR, Moskva.  
(CLOSTRIDIUM PERFRINGENS)  
(TOXINS AND ANTITOXINS chem)  
(ESTERASES chem.)

ISPOLATOVSKAYA, M.V.; LEVDIKOVA, G.A.; LARINA, I.A.

Separating the lecithinase and collagenase activities of the  
Clostridium perfringens toxin by electrophoresis on starch.  
Biokhimiia 26 no. 1:77-81 Ja-F '61. (MIRA 14:2)

1. Biochemical Department, Institute of Epidemiology and Microbiology  
and Institute of Biological and Medical Chemistry, Academy of  
Medical Sciences of the U.S.S.R., Moscow.

(CLOSTRIDIUM PERFRINGENS) (TOXINS AND ANTITOXINS)  
(LECITHINASE) (COLLAGENASE)

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALT'YKOV, R.A.; LARINA, I.A.;  
ANAN'YEVA, Ye.P.; SHEVELEV, V.M.

Experimental study of the immunogenic properties of associated  
anerobic toxoids. Report No.1: Study of the immunological  
effectiveness of sextatoxoids in primary immunization of animals.  
Zhur.mikrobiol.epid.i immun, 32 no.1:28-32 Ja '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN  
SSSR.

(TOXINS AND ANTITOXINS)



VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALT'YKOV, R.A.; LARINA, I.A.; SHEVELEV, V.M.

Experimental study of immunogenic properties of associated anaerobic  
anatoxins. Report No.2: Study of the immunological effectiveness of  
a sexta-anatoxin following late re-immunization. Zhur. mikrobiol.  
epid. i immun. 32 no.7:74-77 Je '61; (MIRA 15:5)  
(TOXINS AND ANTITOXINS)

LARINA, I.A.; DZHIKIDZE, B.K.; AKSENOVA, A.S.

Effectiveness of sorbed tritoxoid with reference to gas  
gangrene in experiments on monkeys. Preliminary report.  
Biul. eksp. biol. i med. 52 no.9:88-90 S '61. (MIRA 15:6)

1. Iz otdela ranevykh infektsiy (zav. - deystvitel'nyy  
chlen AMN SSSR G.V. Vygodchikov) Instituta epidemiologii  
i mikrobiologii imeni N.F. Gamalei (dir. - prof. S.N.  
Muromtsev [deceased]) AMN SSSR i Instituta eksperimental'noy  
patologii i terapii (direktor - doktor med.nauk B.A. Lapin)  
AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN  
SSSR G.V. Vygodchikovym.

(GANGRENE)  
(TOXINS AND ANTITOXINS)

ISPOLATOVSKAYA, M.V.; LEVDIKOVA, G.A.; LARINA, I.A.

Separation of lecithinase, collagenase and hyaluronidase activities  
of *B. perfringens* toxin using ion exchange cellulose. *Biokhimiia* 27  
no.1:82-87 Ja-F '62. (MIRA 15:5)

1. Department of Biochemistry, Institute of Epidemiology and Microbiology  
and Institute of Medical and Biological Chemistry, Academy of Medical  
Sciences of the U.S.S.R., Moscow.  
(LECITHINASE) (CELLULOSE) (COLLAGENASE)  
(HYALURONIDASE) (CLOSTRIDIUM PERFRINGENS)

ZELEVINSKAYA, S.A.; BULATOVA, T.I.; LARINA, I.A.

Study of the immunological effectiveness of complex immunization against gas gangrene, tetanus and botulism in experiments on monkeys. Biul. eksp. biol. i med. 53 no.6:59-62 Je '62.

(MIRA 15:10)

1. Iz otdela ranevykh infektsiy (zav. - dyestvitel'nyy chlen AMN SSSR G.V.Vygodchikov) Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei (dir. - prof. O.V.Baroyan) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR G.V.Vygodchikovym.  
(VACCINATION) (GAS GANGRENE) (TETANUS) (BOTULISM)

VYCODCHIKOV, G.V.; LARINA, I.A.; VOROB'YEV, A.A.; SALTYKOV, R.A.

Experimental study of the immunogenic properties of associated anaerobic anatoxins. Report No. 3. Study of the immunologic effectiveness of an octa-anatoxin in the primary immunization of animals. Zhur.mikrobiol., epid.i immun. 33 no.8:79-83 Ag '62.  
(MIRA 15:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(TOXINS AND ANTITOXINS)(VACCINATION)

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALT'YKOV, R.A.; LARINA I.A.;  
SHEVELEV, V.M.

Experimental study on polyvalent anaerobic toxoids. Part 4:  
Study of the immunological effectiveness of octatoxoid in  
late revaccination. Zhur. mikrobiol., epid. i immun. 40.  
no.1:127-132'63. (MIRA 16:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei  
AMN SSSR.

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VYGODCHIKOV, G.V.; GEKKER, V.D.; LARINA, I.A.; SERGEYEVA, N.S.;  
VOROB'YEV, A.A.; SALTYKOV, R.A.

Basic principles underlying the production of polyvalent  
vaccines against anaerobic and intestinal infections.

Zhur. mikrobiol., epid. i immun. 40 no.3:9-14 Mr '63.

(MIRA 17:2)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei  
AMN SSSR.

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; LARINA, I.A.; LABINSKIY, A.P.;  
GEKKER, V.D.; SHEVELEV, V.M.; ~~SIRODNEVA, N.S.~~

Experimental study of the immunogenic properties of combined  
anaerobic toxoids. Report No.5: Immunogenic properties of  
combined polytoxoid in primary immunization of animals. Zhur.  
mikrobiol., epid. i immun. 40 no.10:51-58 0 '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei  
AMN SSSR.



ISPOLATOVSAYA, M.V.; IARINA, L.A.; KLEMACHEVA, L.V.

Mechanism of detoxication of the Clostridium; effragens  
toxin. Zhur. mikrobiol., epid. i immun. 40 no.10:110-115 G '65.  
(MIRA 17:6)

1. Iz Institute epidemiologii i mikrobiologii imeni Gamalei  
AKN SSSR.

L 10969-66 EWT(1)/EWA(1)/EWA(b)-2 JK

ACC NR: AP5028399

SOURCE CODE: UR/0016/65/000/009/0110/0114

AUTHOR: Isolatovskaya, M. V.; Larina, I. A.; Loseva, L. P.

ORG: Institute of Epidemiology and Microbiology Im. Gamaleya, AMN SSSR, Moscow  
(Institut epidemiologii i mikrobiologii)

TITLE: Dynamics of the formation of various components of the toxin of Clostridium perfringens type A

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1965, 100-114

TOPIC TAGS: toxicology, systemic toxin, microbiology

ABSTRACT: To find out at what period of growth the formation and excretion of the components of the toxin of Cl. perfringens occurs and how they are related, the authors study four strains: BR6K (highly toxigenic), No. 235 and SR12 (toxigenic), and No. 1836 (weakly toxigenic). When these strains were cultivated on a medium of casein hydrolysate with the addition of millet as a factor providing the most intense formation of toxin, a maximal lecithinase, collagenase, and hyaluronidase activity was noted 6 - 9 hr after inoculation with a drop by the 12th hour of growth. The maximal hemolytic activity was frequently demonstrated earlier. The presence of collagenase in the filtrates did not adversely affect the principal components of the toxin, lecithinase; in fact the authors find that when lecithinase was incubated with collagenase the activity of lecithinase even increased somewhat, which indicated its stabilization by collagenase which here played the role of a protective

Card 1/2

UDC: 576.851.555.097.29

L 10969-66

ACC NR: AP5023388

protein. The authors demonstrate in experiments with erythrocytes of various animal species that the absolute value of the hemolytic activity determined by lysis of sheep erythrocytes does not make up the arithmetic sum of the hemolytic activity of alpha- and theta-hemolysins determined separately by lysis of the erythrocytes of the mouse (alpha-hemolysin) and horse (theta-hemolysin). In all experiments the maximal formation of the toxin components coincided with the period of intense cell division. Orig. art. has: 3 figures and 2 tables. 0

SUB CODE: 06 / SUBM DATE: 06Nov64 / ORIG REF: 003 / OTH REF: 004

Card 2/2

ISPOLATOVSKAYA, M.V.; MIKHAYLOVSKAYA, I.Ya.; KLIMACHEVA, L.V.;  
BLAGOVESHCHENSKIY, V.I.; LARINA, I.I.

Study of the enzymes of the *Clostridium perfringens* toxic  
complex, their formation and interaction. Zhur. mikrobiol.,  
epid. i immun. 42-no. 11:62-65 N 1965. (MIRA 18:12)

1. Institut epidemiologii i mikrobiologii AMN SSSR imeni Gamalei.  
Submitted April 15, 1964.

ANOSOV, I. Ya.; ISPOLATOVSKAYA, M.V.; LARINA, I.A.

Morphological and some histochemical changes in the body of guinea pigs caused by C-lecithinase of *Clostridium welchii* type A.  
Report No. 1: Characteristics of the local reaction. Zhur.  
mikrobiol., epid. i immun. 43 no. 1:94-98 Ja '66 (MIRA 1961)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
Submitted October 19, 1964.

L 27197-66 EWI(1)/T JK

SOURCE CODE: UR/0016/66/000/001/0118/0123

ACC NR: AF6017458

23  
B

AUTHOR: Larina, I. A.

ORG: Institute of Epidemiology and Microbiology im. Gamaleya AMN SSSR (Institut epidemiologii i mikrobiologii AMN SSSR)

TITLE: Prephylaxis of anaerobic infections in experiments with monkeys

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 1, 1966, 118-123

TOPIC TAGS: experiment animal, antigen, immunization

ABSTRACT: An associated preparation — octatoxoid — containing eight different anaerobic toxoids (perfringens, oedematiens, tetanus, and botulinus), B, C, D, and E) proved to be areactogenic in an experiment on monkeys. The second inoculation boosted the titers of antitoxins considerably in comparison to the first. For all antigens, double immunization and reimmunization with octatoxoid create an immunity of high strength except for the perfringens antigen, which produces ground immunity, guaranteeing the animal protection (with a content in the blood of at least 0.1 AE/ml) against 1-3 lethal doses of a culture of Cl. perfringens. After reimmunization there is a latent period of 2-3 days in which the titers of the corresponding antitoxins do not increase. Orig. art. has: 3 tables and 1 formula. [JPRS]

SUB CODE: 06 / SUBM DATE: 21Feb65 / ORIG REF: 007

2

UDC: 616.981.55/57-084.47:615.3721-092.9

Card 1/1 CC

1 28427-66 EWT(1)/T JK

ACC NR: AP6019115

SOURCE CODE: UR/0016/65/000/011/0061/0065

AUTHOR: Ispolatovskaya, M.V.; Mikhaylovskaya, L.Ya.; Klimacheva, L.V.;  
Blagoveshchenskiy, V.A.; Larina, I.A.

ORG: Institute of Epidemiology and Microbiology im. N.F. Gamaleya, AMN SSSR  
(Institut epidemiologii i mikrobiologii AMN SSSR)

TITLE: Study on the formation and interaction of enzymes in the toxic Clostridium  
perfringens complex

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 11, 1965, 61-65

TOPIC TAGS: enzyme, bacteria, bacteriology, biochemistry

ABSTRACT: Lecithinase, collagenase, hyaluronidase, and proteinase were present in Cl. perfringens cells grown from 1½ to 4 hours. Considerable amounts of lecithinase were found in the culture fluid in the course of the experiment. In some experiments collagenase and hyaluronidase were present in the microbial cells but absent in the culture fluid.

Crude exo- and endoproteinases of the pathogen of gas gangrene possessed very low proteolytic activity, while concentrated, highly active proteinases in vitro experiments did not inactivate Cl. perfringens toxin or lecithinase. Trypsin, however, sharply inactivated both the toxin and purified lecithinase.

Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06/ SUBM DATE: 15Apr64/ ORIG REF: 001/ OTH REF: 002

Card 1/1 UDC: 576.851.555.097.29:577.15

ACC NR: AP6024447

SOURCE CODE: UR/0016/66/000/007/0125/0129

AUTHOR: Larina, I. A.; Ispolatovskaya, M. V.

ORG: Institute of Epidemiology and Microbiology im. Gamaleya, AMN SSSR, Moscow  
(Institut epidemiologii i mikrobiologii AMN SSSR)

TITLE: Role of lecithinase C in the creation of immunity to gas gangrene under experimental conditions

SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 125-129

TOPIC TAGS: lecithinase, gas gangrene, catalytic activity, *Cl. perfringens*, vaccine, immunity, enzyme

ABSTRACT: Animals receiving a lecithinase-C preparation purified to eliminate all other enzymatic activity displayed active immunity to *Cl. perfringens* toxin and to culture extracts. Only highly purified preparations had such effects. A plan for immunizing guinea pigs against gas gangrene with lecithinase vaccine was described.  
[WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 23Nov65/ ORIG REF: 015/ OTH REF: 005/

UDC: 616.981.57-097.3-02:[615.779.94:577.153.211

Card 1/1



L 34882-66 EWT(m)/EWP(t)/ETI IJP(c) RIW/JD/GD

ACC NR: AT6013544

(A)

SOURCE CODE: UR/0000/65/000/0111/0114

AUTHOR: Yudelevich, I. G.; Sheipakova, I. R.; Avseyko, Ye. M.; Minskaya, L. N.;  
Larina, L. K.; Chalkova, N. Ya.; Sosnovskaya, T. I.; Zaks, I. V.; Khamidulina, F. K. 56  
B+

ORG: None

TITLE: Spectrographic determination of trace elements in the raw materials and intermediate products of the rare metals industry

SOURCE: Ural'skoye soveshchaniye po spektroskopii, 4th, Sverdlovsk, 1963. Materialy. Moscow, Izd-vo Metallurgiya, 1965, 111-114

TOPIC TAGS: spectrum determination, zinc, lead, indium, thallium, germanium, selenium, tellurium, spectrographic analysis

ABSTRACT: A number of new methods are described for determination of <sup>27</sup>indium, <sup>27</sup>thallium, <sup>27</sup>germanium, <sup>27</sup>selenium and tellurium in intermediate products of the lead and zinc industry. Germanium is spectrographically determined by injection of powder specimens into an a-c arc discharge. The spectroscopic buffer for determination of more than 0.001% Ge is carbon powder containing 5% Bi(NO<sub>3</sub>)<sub>3</sub> as an internal standard. The analytical line pair is Ge 269.13 mμ-Bi 280.96 mμ. For determining higher concentrations of germanium (above 0.1%), use is made of the Ge 258.91 mμ-Bi 280.96 mμ or Ge 274.04 mμ-Bi 280.96 mμ line. A buffer consisting of a mixture of quartz and sulfur

Card 1/2

L 34882-6

ACC NR: AT6013544

was used for determining traces of germanium of the order of 1 part in 100,000 in slags and mattes. The sensitivity of germanium determination with respect to the Ge 303.90 mμ line is 10-4% in this case with a relative error of about 15%. Commercial solutions are analyzed by electrode saturation. The relative mean square error is 9% with this method. Indium, thallium, gallium, and germanium are simultaneously determined by pouring the solutions to be analyzed into a socket in a special copper electrode and then drying the electrode so that the solution adheres to the surface. The advantage of this method over the saturation of carbon electrodes lies in the possibility of using the sensitive long-wave lines located in the region of cyanogen bands: In 410.18 mμ, Ga 417.2 mμ and Tl 377.57 mμ. This method gives a relative error of 9%. Methods are discussed for determination of rare elements in zinc and lead ores with a sensitivity of at least 10<sup>-4</sup>% using spectrographic analysis with a buffer solution of sodium fluoride. Orig. art. has: 1 figure.

SUB CODE://,20/ SUBM DATE: 06Jul65/ ORIG REF: 005/ OTH REF: 000

Card 2/2

*LARINA, I. M.*

EVENTSOVA, M.S.; BORISOV, P.P.; CHISTYAKOVA, M.V.; LARINA, I.M.

Oxidation of aromatic hydrocarbons by oxygen. Oxidation of  
1,1-diphenylethane and 1,1-diphenylpropane. Vest.Mosk.un.Ser.  
mat.,mekh., astron., fiz.,khim. 12 no.2:209-213 '57. (MIRA 10:12)

1.Kafedra organicheskoy khimii i khimii nefi Moskovskogo  
universiteta.

(Oxidation) (Ethane) (Propane)

LARINA, L. F.

37651. Operatsiya vistseroplevrotomii pri khronicheskikh empiemakii plevry ognestrel' Nogo proiskhozhoeniya. Trudy tomskogo med. in-ta im. molotova, T. XV, 1949 S. 146-56

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949